**Index of Claims** 



Application/Control No.

09/677,502

Examiner

Rabon Sergent

Applicant(s)/Patent under Reexamination

HASHIBE ET AL.

Art Unit

1711

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| Cla               | aim      | Date     |                     |          |          |          | ]  | Claim  |          |  | Date |                 |             |                 |               |                | С  | aim           | Date   |            |       |              |                 |              |  |  |          |          |           |          |
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|                   | 1        | 1        |                     |          | Г        | П        | П  |  |          |  |      |                 | 51          |                 | $\neg \vdash$ |                |  |               | П  | 1          |       | 101          |                 |              |  |  |          |          | $\neg$    |          |
|                   | 2        | 1        |                     |          |          | Ī        |  |  |          |  |      |                 | 52          |                 |               |                |  |               |  | 1          |       | 102          |                 |              | $\top$   | 1  | T        | П        | $\neg$    |          |
|                   | _3_      |          |                     |          |          |          | Г  |  |          |  |      |                 | 53          |                 |               | 1              |  |               |  | 1          |       | 103          |                 |              | 1  | 1  |          |          | $\neg$    |          |
|                   | 4        | 1        |                     |          | Г        |          | ,  |  |          |  |      |                 | 54          |                 | 1             |                |  |               |  | 1          |       | 104          |                 |              | T  | 1  |          | $\Box$   | ヿ         | -        |
|                   | سخر      |          |                     |          |          |          |  |  |          |  |      |                 | 55          |                 |               | 1              |  |               | $\Box$   |            |       | 105          |                 |              | T  |  |          | П        | $\exists$ |          |
|                   | 6        | 1        |                     |          |          |          |  |  |          |  |      |                 | 56          |                 | 1             | 1              |  |               |  | 1          |       | 106          |                 |              | T  |  |          | П        | $\dashv$  |          |
|                   | 7        |          |                     |          |          | Ì        |  |  |          |  |      |                 | 57          |                 | 1             | 1              | $\Box$   | $\neg \vdash$ | $\Box$   |            |       | 107          |                 |              | T  | Т  |          | Ħ        | ╗         |          |
|                   | 8        | 1        |                     |          |          |          |  |  |          |  |      |                 | 58          |                 | -1-           | 1              | $\Box$   |               |  | 1          |       | 108          |                 |              |  | 1  |          | Ħ        |           |          |
|                   | 9        | 1        | П                   |          |          | <u> </u> |  | $\vdash$   |          | _  |      |                 | 59          |                 | $\top$        |                |  |               |  | 1          |       | 109          | П               | $\neg$       | †  | t  | T        |          | 寸         | $\neg$   |
|                   | 10       | 4        |                     |          |          | Ĺ        |  | $\vdash$   |          |  |      |                 | 60          | $\vdash$        | $\top$        | 1              |  | $\top$        |  |            |       | 110          |                 | $\neg$       | <del>                                     </del> | $\vdash$   |          | $\Box$   | $\dashv$  | $\neg$   |
|                   | 11       | 1        | П                   |          |          | 1        | 1  | Г  |          | T  | 1    |                 | 61          | $\vdash$        | $\neg$        | $\top$         | $\vdash$   | _             |  | 1          |       | 111          | П               |              | T  | T  | T        | H        | $\dashv$  | $\neg$   |
|                   | 12       | 1        | Н                   |          | $\vdash$ | Т        | <del> </del>                                     | t  |          | T  |      |                 | 62          | $\vdash$        | +             | $\top$         | $\vdash$   | $\top$        | <del>                                     </del> | 1          |       | 112          | $\vdash \vdash$ | +            | +  | 1  | T        | $\vdash$ | $\dashv$  | $\dashv$ |
|                   | 13       | 1        | Н                   |          |          |          | <b>†</b>   | 1  | $\vdash$ | <del>                                     </del> |      |                 | 63          | $\vdash$        | +             | ${}^{\dagger}$ | $\vdash$   | $\top$        |  | 1          |       | 113          | H               | _            | +  | $\vdash$   | $\vdash$ | $\vdash$ | $\dashv$  | $\dashv$ |
|                   | 14       | Ė        | $\vdash$            | $\vdash$ | Н        | $\vdash$ | <del>                                     </del> | $\vdash$   | $\vdash$ | _  |      |                 | 64          | -               | +-            | +-             |  | +             | $\vdash\vdash$                                   | 1          | -     | 114          | Н               | $\dashv$     | +  | +  | $\vdash$ | $\vdash$ | $\dashv$  | $\dashv$ |
|                   | 15       |          | Н                   |          | -        | 1        | $\vdash$   | Τ-   |          | $\vdash$   |      | · · · · · ·     | 65          | $\vdash$        | $\top$        | +-             | <del>                                     </del> | +-            | $\vdash$   | 1          |       | 115          | $\vdash \vdash$ | $\dashv$     | +-   | <del>                                     </del> | $\vdash$ | $\vdash$ | -         | $\dashv$ |
|                   | 16       |          | H                   | -        | -        | $\vdash$ | t  | <del>                                     </del> | _        | -  |      |                 | 66          | $\vdash \vdash$ | +             | +              | <del>     </del>                                 | +             | $\vdash$   | 1          |       | 116          | $\vdash \vdash$ | +            | +  | 1  | $\vdash$ | $\vdash$ | -         | 닉        |
|                   | 17       | $\vdash$ | $\vdash$            | $\vdash$ | <u> </u> | $\vdash$ | $\vdash$   | <del> </del>                                     | $\vdash$ | $\vdash$   |      |                 | 67          | $\vdash \vdash$ | +-            | +              |  | +             | _  | 1          |       | 117          | $\vdash$        | $\dashv$     | +  | 1  | ┼─       | $\vdash$ | $\dashv$  | —        |
|                   | 18       | -        | Н                   | $\neg$   | _        | ╁        | $\vdash$   | -  | -        | -  |      |                 | 68          | $\vdash$        | ┰             | +              |  | +             |  | 1          |       | 118          | Н               | +            | ╁  | ⊢  | ┢        | -        | $\dashv$  |          |
|                   | 19       |          | H                   |          |          | ┢        | ⊢  | <del>                                     </del> | -        |  |      |                 | 69          |                 | +             | +              | -  | +             |  | 1          |       | 119          | $\vdash$        |              | ╁  | ⊢  | ├-       | Н        | $\dashv$  | $\dashv$ |
|                   | 20       |          |                     | $\dashv$ | _        | $\vdash$ | ┼  | H  | H        | -  |      |                 | 70          | $\vdash$        | +             | +-             | ┝╌┼  | +             | $\vdash$   | 1          |       | 120          | $\vdash$        | <del>-</del> | +  | $\vdash$   | ┈        | $\dashv$ | $\dashv$  | $\dashv$ |
| -                 | 21       | _        |                     | $\dashv$ |          |          | ╁╌   | -  | $\vdash$ |  |      |                 | 71          | -               | +             | +              |  | +             | +  | 1          |       | 121          | $\vdash$        |              | +  | ⊢  | ┢        |          | $\dashv$  | $\dashv$ |
| _                 | 22       |          | -                   | -        |          | $\vdash$ | ├  |  | $\vdash$ |  |      |                 | 72          | $\vdash$        | +-            | +              |  | +             | _  | -          |       | 122          | $\vdash$        |              | +  | ├  | ⊢        | Н        | -         | $\dashv$ |
| <b></b>           | 23       |          | Н                   | $\dashv$ |          | $\vdash$ | -  |  |          |  |      |                 | 73          | $\dashv$        |               | +              | $\vdash$   | +             |  | -          |       | 123          | $\vdash$        | $\dashv$     | +  | ┝  | ⊢        |          | -         | $\dashv$ |
|                   | 24       |          | Н                   | $\dashv$ |          | -        | ⊢  |  |          |  |      |                 | 74          |                 |               | ╁              | $\vdash$   |               | +  | -          |       |              | $\vdash$        |              | ╁  | -  |          | _        | $\dashv$  | $\dashv$ |
| -                 | 25       |          | Н                   |          |          | -        | -  | ┢  | _        |  |      |                 |             |                 |               | +-             | $\vdash$   | +             | _  | -          |       | 124          |                 | $\dashv$     | +-   | ┢  | ⊢        |          | $\dashv$  | $\dashv$ |
|                   | 26       |          | Н                   | _        |          | -        | <del> </del>                                     | ⊢  | -        |  |      |                 | 75          |                 | +             | ╁              | $\vdash$   |               |  | 4          |       | 125          |                 | <del>-</del> | +  | ┡  | ⊢-       | -        |           | _        |
|                   | 27       |          | Н                   |          |          | -        |  |  | $\vdash$ |  |      | <u> </u>        | 76          | +               | +             | +              | $\vdash$   |               |  | 4          |       | 126          | $\dashv$        |              | +  | ├-   | _        | _        |           | ᅴ        |
|                   | 28       |          | Н                   | -        |          | _        |  | -  | _        |  |      | <u> </u>        | 77<br>78    | -               |               | -              | $\vdash$   | -             |  | 4          |       | 127          | $\vdash$        |              | ╄-   | ļ  | H        | -        |           | $\dashv$ |
|                   | 29       |          | Н                   |          |          | _        |  |  | H        |  |      | $\vdash$        |             |                 | +             | +-             | $\vdash$   | -             | -  | -          |       | 128          | $\vdash$        |              | ╀  | -  | <u> </u> | $\dashv$ | -         | $\dashv$ |
|                   |          |          | Н                   | _        |          |          | -  | $\vdash$   | -        | _  |      | $\vdash$        | 79          | -+              |               | +-             | $\vdash$   | -             |  | 4          |       | 129          |                 | $\dashv$     | -  | ┡  | Н        | -        | -         | -        |
| _                 | 30       |          |                     | $\dashv$ | _        | -        | -  |  | $\vdash$ |  |      | _               | 80          |                 |               | ┼              | -  | _             |  | 4          |       | 130          |                 | -            | +-   | ┡  |          |          | 4         |          |
|                   | 31       |          | _                   |          | _        | $\vdash$ | ├  | _  | Ш        |  |      |                 | 81          | -               | +             | ╂              |  | _             |  |            |       | 131          | -1              | $\dashv$     | -  | <u> </u>   |          |          | -         | ᅴ        |
|                   | 32       | _        |                     |          |          |          | ├  | $\vdash$   | _        |  |      |                 | 82          | +               |               | +              | $\vdash$   |               |  | -          |       | 132          | -               |              | 4—   |  |          | _        | $\dashv$  |          |
| <b>——</b>         | 33       |          |                     |          |          |          | <u> </u>   | $\vdash$   | <u> </u> |  |      | <b> </b>        | 83          | -               |               | +              | $\vdash$   |               |  | 4          |       | 133          | $\sqcup$        |              | 1  | <b> </b>   |          | $\dashv$ |           | $\dashv$ |
|                   | 34       | -        |                     | $\dashv$ | _        | _        | H-   |  | -        |  |      | <b></b>         | 84          |                 | -             | -              | $\vdash$   |               |  | 4          |       | 134          | $\Box$          | -            | 4-   | ⊢  |          | $\Box$   | 4         |          |
|                   | 35       |          | $\vdash \vdash$     |          |          | -        | $\vdash$   | $\vdash$   | Ь        |  |      | <u> </u>        | 85          |                 | _             | $\vdash$       | $\vdash \vdash$                                  | +             |  |            |       | 135          | $\sqcup$        |              | 1  | <b> </b>   | $\vdash$ | $\sqcup$ | _         | _        |
|                   | 36       |          | -                   | _        |          | <u> </u> | <b> </b>   | $\vdash$   | Щ        |  |      | $\sqcup \sqcup$ | 86          | $\vdash$        | _             | ₩              | $\vdash$   | -             |  |            |       | 136          | $\sqcup$        |              | $\perp$  | <u> </u>   | <u> </u> | $\Box$   | _         | _        |
|                   | 37       |          |                     | _        |          | <u> </u> | ⊢  | Н  | $\vdash$ |  |      |                 | 87          |                 | _             | ₽-             | <del></del>                                      |               |  |            |       | 137          | $\sqcup$        | $\perp$      | <b>↓</b>   | <u> </u>   | Щ        |          | _         | _        |
| <b></b>           | 38       |          | $\dashv$            |          |          | $\vdash$ | $\vdash$   | $\vdash$   | Ш        | <u> </u>   |      | <u> </u>        | 88          | $\vdash$        | +             | ┼              |  | +             | -  |            |       | 138          |                 | +            | ┿  | _  | <u> </u> | $\dashv$ | $\dashv$  |          |
|                   | 39       |          | $\vdash$            | _        |          | <u> </u> |  | $\vdash \vdash$                                  | $\vdash$ |  |      |                 | 89          | -               |               | 1              | $\vdash \vdash$                                  |               | —  |            |       | 139          | $\dashv$        | _ _          | 1  | _  | _        | _        |           | $\dashv$ |
| <b>  </b>         | 40       |          | $ \!\!\!-\!\!\!\! $ |          |          | <u> </u> | $\vdash$   | Щ  | Ш        | <u> </u>   |      | $\sqcup \sqcup$ | 90          |                 | $\perp$       |                |  | $\bot$        |  | <b></b>    |       | 140          |                 | $\bot$       | 4  | _  | Щ        |          | $\dashv$  |          |
|                   | 41       |          | $\sqcup$            |          |          | _        | <u> </u>   | Ш  |          |  |      |                 | 91          | $\perp$         | $\perp$       | _              |  |               |  | ļ::::i     |       | 141          |                 |              | 1_   | _  |          | _        | $\perp$   | _        |
|                   | 42       |          | $\sqcup$            |          |          | <u> </u> | igspace  | Щ  | Ш        |  |      |                 | 92          |                 | $\perp$       | 1              | $\sqcup$   | $\perp$       | _  |            |       | 142          |                 |              | _  | Ш  | Ш        |          |           |          |
|                   | 43       |          | Ш                   |          |          | <u> </u> | <u> </u>   | Ш  | Ш        |  |      |                 | 93          |                 | _             | 1              | $\sqcup$   | $\perp$       |  | ::::       |       | 143          | Ц               |              | _  | _  |          |          | $\dashv$  |          |
|                   | 44       |          |                     | _        | _        | <u> </u> | <u> </u>   |  |          |  |      | $\Box$          | 94          | $\perp$         | 1             | <u> </u>       | $\vdash \vdash$                                  | $\perp$       |  |            |       | 144          |                 |              | _  | <u>_</u>   |          |          | $\perp$   |          |
|                   | 45       |          | Ш                   |          |          | Ш        | Щ  | Ш  |          |  |      |                 | 95          | _               | 4_            | 1              | $\sqcup \bot$                                    | $\perp$       |  |            |       | 145          | $\sqcup$        |              | _  |  |          |          | $\perp$   |          |
|                   | 46       | _        | $\sqcup$            | _        | _        | Ш        | <u> </u>   | Щ  |          |  |      |                 | 96          | _               |               | Ш              | $\sqcup$   | $\perp$       | _  | ļ <u> </u> |       | 146          |                 |              | <u> </u>   |  |          | [        | $\Box$    |          |
|                   | 47       |          | Ш                   | _        |          | <b> </b> |  | Ш  |          |  |      |                 | 97          |                 | $\perp$       | Ш              | $\sqcup \bot$                                    |               |  |            |       | 147          | _               |              | _  | $\Box$   |          |          | [         |          |
| $\longrightarrow$ | 48       |          |                     | _        |          |          | Щ  |  |          |  |      |                 | 98          | $\perp$         | _             |                | _  | $\bot$        |  |            |       | 148          |                 |              | <u> </u>   |  | Ш        |          | $\perp$   |          |
|                   | 49       |          |                     | _        |          |          | Щ  |  |          |  |      |                 | 99          |                 | _             | Ш              | $\sqcup \bot$                                    | $\bot$        |  |            |       | 149          |                 |              | _  |  |          |          | $\perp$   |          |
|                   | 50       |          |                     |          |          |          |  |  |          |  |      |                 | 100         |                 |               |                |  | 1 1           |  |            |       | 150          | - 1             |              | 1  |  |          |          | - 1       | - 1      |